

## Special Issue

# Bioactive Glasses and Their Multiple Applications in Biomedicine

### Message from the Guest Editor

Bioactive glasses have been widely investigated in various biomedicine fields such as tissue regeneration, cancer treatment and dentistry due to their excellent biocompatibility, antibacterial properties and bioactivity. In this Special Issue, entitled “Bioactive Glasses and Their Multiple Applications in Biomedicine”, we welcome original research articles, reviews, short communications or bioinformatics/analysis research articles to be submitted to our collection of the latest studies focusing on innovative biomaterials and cutting-edge technologies related to bioactive glasses in various biomedical applications. Topics may include, but are not limited to, the availability of therapeutic ions with improved biofunctionality (e.g., tissue regeneration, antibacterial ability, mineralization and antitumor activity); advanced technologies for synthesis and modification to improve mechanical properties; the mechanism underlying the biological behaviors of bioactive glasses; and the biocompatibility, functional evaluation and clinical translation of bioactive glasses from bench to clinic.

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### Guest Editor

Dr. Xin Liu

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### Deadline for manuscript submissions

closed (20 June 2024)



## Journal of Functional Biomaterials

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## About the Journal

### Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials (JFB)* is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

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### Editor-in-Chief

Prof. Dr. Pankaj Vadgama

School of Engineering and Materials Science, Queen Mary University of London, London, UK

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